

REMARKS

The present invention provides targeting methods that combine the ability to genetically encode a protein sequence, and specifically express that sequence within living cells, with the use of well characterized spectroscopic probes or other probes. The invention thus permits the use of a wide variety of fluorophores, as well as other spectroscopic probes, including nuclear magnetic resonance (NMR), positron emission tomography (PET), relaxation reagents, chromophores, and other reagents such as chemical cross linkers, caged compounds, enzymatic substrates, activators, and the like.

By the present communication, claim 1 has been amended to more particularly define Applicant's invention, claim 63 has been amended so as not to depend from a cancelled claim, and claims 4, 19-59, 61, 62, and 66-74 have been cancelled without prejudice. The amendment to claim 1 is set forth in the attached "Version With Markings To Show Changes Made" (Exhibit A). Also included is a listing of the claims as they will stand upon entry of the present amendment (Exhibit B). Applicant submits that claims 1 and 63 as amended are fully supported by the originally filed application and no new matter has been added. Upon entry of the amendment, claims 1-3, 5, 6, 8-18, 60, and 63-65 are pending.

Application No.: 09/403,882

Applicant: Javier Farinas

Filed: March 20, 2000

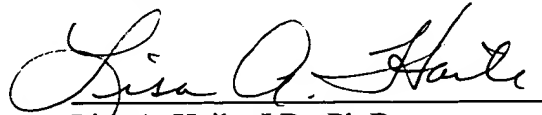
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PATENT

Attorney Docket No.: UCSF1100-3

It is submitted that the claims are in condition for allowance, and a notice to that effect respectfully is requested. The Examiner is invited to contact Applicant's undersigned representative if there are any questions relating to this application. Please charge any additional fees, or make any credits, to Deposit Account No. 50-1355.

Respectfully submitted,



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Exhibit A – Page 1

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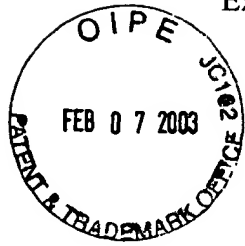


Exhibit A

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

1. (Twice amended) A method for localizing a probe, comprising:
 - a) contacting a sample comprising a cell expressing a membrane bound single chain antibody with a membrane permeant probe/ligand conjugate, said probe/ligand conjugate comprising:
 - i) a probe moiety,
 - ii) a ligand that can bind with said single chain antibody, and
 - iii) a linker moiety coupling said probe to said ligand.

63. (Twice amended) The method according to claim[s] 60[, 61 or 62], wherein the specific binding partner is a single chain antibody.